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(71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): OGAWA, Miki

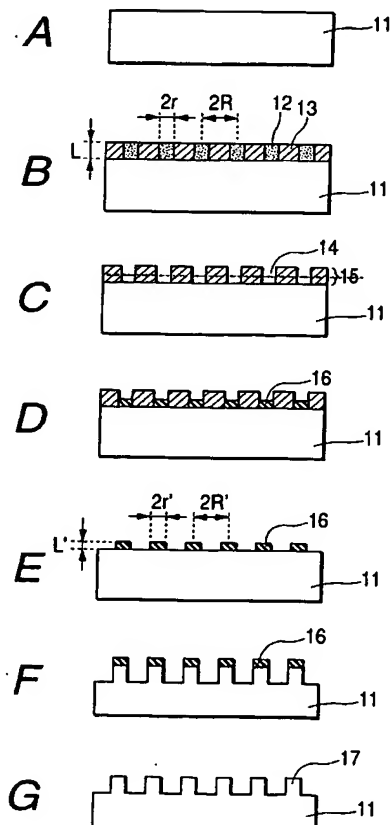
[JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). MIYATA, Hirokatsu [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). OTTO, Albrecht [DE/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). KURIYAMA, Akira [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). OKURA, Hiroshi [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). DEN, Tohru [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP). FUKUTANI, Kazuhiko [JP/JP]; c/o CANON KABUSHIKI KAISHA, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP).

(74) Agents: OKABE, Masao et al.; No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 (JP).

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(54) Title: COLUMNAR STRUCTURED MATERIAL AND METHOD OF MANUFACTURING THE SAME



(57) Abstract: A method of forming, on a substrate, minute-sized columnar portions of a columnar structured material at minute intervals, and a columnar structured material formed by the manufacturing method. A columnar structured material is formed through an etching process in which a pattern of minute dots formed on the substrate is utilized as a mask. The pattern of the minute dots is obtained by introducing a mask material into columnar microholes of a porous film formed on the substrate and then removing the porous film. The porous film is formed by removing columnar substances from a structured material in which the columnar substances which are so formed as to contain a first component are dispersed in a matrix which is made of another component and is so formed as to contain a second component that can form a eutectic together with the first component.



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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) -& JP 11 112099 A (NIPPON TELEGR &TELEPH CORP <NTT>), 23 April 1999 (1999-04-23) cited in the application the whole document	1-21
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11, 26 December 1995 (1995-12-26) -& JP 07 202164 A (FURUKAWA ELECTRIC CO LTD:THE), 4 August 1995 (1995-08-04) abstract figure 4	1-21

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Le Meur, M-A

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JP 11112099 A 23-04-1999 NONE

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